

Structure Investigations of Certain Compounds of the  
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sova and M. M. Umanskii.

Full translation.

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\* ABC TR R&A?

Scientific - Physics

Jun 52 CPS

DKK

A-4488

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| TT-65-62474  | Field 9A  |  |
| Lukatskaya, I. A.; Tarasova, V. Y.<br>ROENTGEN IMPULSE TUBE WITH OPERATING<br>VOLTAGE OF 17 TO 20 KV (Impulsnaya Rentgenovskaya<br>Trubka s Rabochim Napryazheniem 17 to 20 KV).<br>Feb 65, 11p. NASA-TT-F-9254; N65-16309.<br>Order from CFSTI, SLA, or ETC: HC\$1.00, MF\$0.50<br>as N65-16309<br><br>Trans. of Pribory i Tekhnika Eksperimenta (USSR)<br>v8 n6 p124-7 1963.<br>See also 'Translated or Abstracted Publications,'<br>in TT Vol. 14, No. 8. | I. National Aeronautics and<br>Space Administration,<br>Washington, D. C. |  |

The Theory of Vulcanization and of the Action of Accelerators, by B. Dogadkin, V. Selyukova, Z. Tarasova, I. Dobromyslova, M. Feldshtein, M. Kaplunov, 12 pp.

RUSSIAN, bimo per, Kolloid Zhur, Vol XVII, No 3, May-Jun 1955, pp 215-229. CIA C 39499

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EFFECT OF VULCANIZATION STRUCTURES ON THE STRENGTH  
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FEB 63

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E.P.R. Study of the Radiation Vulcanization  
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1962, pp 1204-1208.  
Chem Trans Sv 2014

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May 67

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| <p>Tarasova, Z. N., Kaplunov, M. Ya, and others.<br/>INTERACTION DU SOUFRE ET DU CAOUTCHOUC<br/>NATUREL SOUS L'ACTION DE RAYONNEMENTS<br/>IONISANTS (Vzaimodel'stviye Sery s Natural'nym<br/>Kauchukom Poddel'stviem Ioniziruyushchikh<br/>Izlucheniya) [Interaction of Sulfur and Natural Rubber<br/>by the Action of Ionizing Radiation] tr. by Lichikine,<br/>[1961] [18]p. (Russian text included) 7 refs. CEA<br/>Trans. no. R 1388 (text in French).<br/>Order from OTS or SLA \$1.60 62-13809</p> <p>Trans. in French of Vysokomolekul[yarnye] Soedineniya (USSR) 1960, v. 2, no. 8, p. 1201-1206.</p> <p>DESCRIPTORS: *Sulfur, *Rubber, Chemical reactions, Ionization, *Radiation effects, Vulcanizates, Argon</p> <p>On a étudié l'influence du soufre sur la cinétique de la structuration sous irradiation du caoutchouc naturel et (Materials--Rubber, TT, v. 7, no. 8) (over)</p> | <p>62-13809</p> <p>I. Tarasova, Z. N.<br/>II. Kaplunov, M. Ya.<br/>III. CEA-tr-R1388<br/>IV. Commissariat à l'Energie Atomique (France)</p> <p>201355</p> <p>Office of Technical Services</p> |
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SLA 61-13636

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The Solubility of Oxygen in Several Organic Liquids

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Reverse Translation  
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(HY-5501)

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NUMERICAL METHODS FOR SOLVING FINITE DIFFERENCE EQUATIONS AND THEIR USE IN THE COMPUTATION OF ORBITS OF ARTIFICIAL SATELLITES OF THE EARTH, tr. by H. P. Thielman, 15 Jan 61 [47]p. 9 refs. Land-Air Language trans. series no. 3.

Available free from Land-Air as LTS-3. When supply is exhausted, order from LC or SLA mi\$3.30, ph\$7.80 as 61-19039

Trans. of Iskusstvennye Sputniki Zemli (USSR) 1960, v. 4, p. 56-81.

The need for such methods arose in solving certain celestial mechanics problems in which one had to find the solution of a system of nonlinear differential equations describing motion over long time intervals. These problems involved the determination of the time of existence of an artificial satellite, the determination of the evolution of a satellite's orbit, the interval (Engineering--Satellite Vehicles, TT, v. 5, no. 9) (over)

61-19039

- I. Satellite vehicle trajectories--Mathematical analysis
- I. Taratynova, G. P.
- II. Land-Air LTS-3
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Methods for the Numerical Solution of Finite  
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In CIA Lib  
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The Motion of an Artificial Satellite in an Off-Center Gravitational Field of the Earth in the Presence of Atmospheric Resistance, by G. P. Taratynova, 16 p.

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METHODS FOR THE NUMERICAL SOLUTION OF  
EQUATIONS IN FINITE DIFFERENCES AND THEIR  
APPLICATION TO THE CALCULATIONS OF THE  
ORBITS OF ARTIFICIAL EARTH SATELLITES.  
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Order from OTS or SLA \$3.60

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v. 4, p. 56-81.

Another trans. is available free from Land-Air as  
LTS-3. When supply is exhausted, order from LC or  
SLA mi\$3.30, ph\$7.80 as 61-19039, 15 Jan 61 [47]p.

DESCRIPTORS: Satellite vehicle trajectories, Equations,  
\*Orbital flight paths, Numerical analysis, \*Numerical  
methods and procedures.

For abstract see Technical Translations 5: 498, 1961.

(Engineering--Satellite Vehicles, TT, v. 9, no. 11)

63-10332

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Office of Technical Services

The Motion of an Artificial Satellite in the Noncentral  
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CIA/FDD X-2551  
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JPRS NY-RPT 187

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PLA-52-16194

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NIH 12-2-61

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JPRS 27957

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(SF-1754)

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JPRS 4620

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HUNGARIAN PARTICIPATION IN THE INTERNATIONAL  
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JPRS 14282

EEUR - UHUNGARY  
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JUN 62

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(NY-5577)

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JPRS 7906

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OTS 60-21226  
PL-480

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OTS 60-21225  
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(DC-5903)

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City at the XIVth Congress of the Mongolian People's  
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JPRS 12086

Asia - Mongolia  
Pol - M Congress  
5 Feb 62

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Sci - Physics  
Nov 63  
FOR INTERNAL USE ONLY  
WITHIN THE DEPARTMENT  
OF DEFENSE

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Tardieu, Pierre and Perières, René.  
PRODUCTION OF ALUMINA FROM BAUXITE THAT  
IS HIGH IN SILICA. [1961] 4p.  
Order from OTS or SLA \$1.10 62-10758

Trans. of German patent 1,068,682, by Pechiney  
Compagnie de Products Chimiques et Electrometallur-  
giques, France, appl. 30 July 57, pub. 12 Nov 59,  
Issued 28 Apr 60 (claimed priority, France 31 July 56).

DESCRIPTORS: \*Aluminum compounds, \*Oxides,  
Production, \*Bauxite, Silicon compounds, Dioxides.

A low-shaft furnace is used for the production of  
alumina from silica-rich bauxite, into which furnace  
cold, oxygen-enriched air is blown, and which furnace  
is used for melting a mixture consisting of 4-6 parts  
bauxite, 5-8 parts coal and 2-3 parts pyrite, where  
the portion of pyrite in the mixture increases as the  
shaft becomes narrower.  
(Metallurgy, TT, v. 7, no. 11)

62-10758

I. Tardieu, P.  
II. Perières, R.  
III. Patent (Germany) 1 068 682

209152

Office of Technical Services

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